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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:55:36 ; Search time 17.4806 Seconds
(without alignments)
680.911 Million cell updates/sec

Title: US-09-622-613B-19

Perfect score: 599

Sequence: 1 ONNATFOOKHIKPIICNT.....ICVCENQYVHFAGIGRCP 110

Scoring table:

BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 10%

Listing first 45 summaries

Database : Published_Applications_AA:*

1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*

4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*

5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

7: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*

8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*

10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*

11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*

12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*

13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*

14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	599	100.0	110	9	US-09-948-391A-19
2	594	39.2	111	9	US-09-948-391A-21
3	594	39.2	117	9	US-09-948-391A-22
4	590	38.5	110	9	US-09-948-391A-15
5	585	37.7	110	9	US-09-948-391A-24
6	585	37.7	111	9	US-09-948-391A-26
7	584	37.5	111	9	US-09-948-391A-17
8	271.5	45.3	105	9	US-09-948-391A-6
9	271.5	45.3	127	9	US-09-948-391A-28
10	270.5	45.2	104	9	US-09-948-391A-2
11	270.5	45.2	104	9	US-09-948-391A-4
12	267.5	44.7	105	9	US-10-153-882-2
13	266.5	44.5	104	9	US-09-948-391A-11
14	266.5	44.5	105	9	US-09-948-391A-13
15	262.5	43.8	104	9	US-09-948-391A-8
16	261.5	43.7	105	9	US-09-948-391A-9
17	261.5	43.7	111	9	US-09-948-391A-9
18	202	33.7	83	9	US-09-948-391A-3
19	166	27.7	169	12	US-10-016-447-2

20	117	19.5	147	10	US-09-731-872-254	Sequence 254, App
21	114	19.0	124	12	US-10-016-447-5	Sequence 5, Appl
22	113	18.9	147	10	US-09-286-240-6	Sequence 6, Appl
23	113	18.9	147	10	US-09-863-777-2	Sequence 2, Appl
24	109.5	18.3	124	9	US-09-981-286A-8	Sequence 8, Appl
25	109	18.2	131	12	US-10-016-447-6	Sequence 6, Appl
26	87	14.5	161	9	US-10-001-876-197	Sequence 197, App
27	79	13.2	77	9	US-09-925-299-836	Sequence 836, App
28	79	13.2	77	10	US-09-925-299-836	Sequence 836, App
29	73	12.2	156	9	US-09-796-753-102	Sequence 102, App
30	73	12.2	156	9	US-09-796-753-118	Sequence 118, App
31	73	12.2	156	9	US-10-245-103-60	Sequence 60, Appl
32	73	12.2	156	9	US-10-245-107-60	Sequence 60, Appl
33	73	12.2	156	9	US-10-245-143-60	Sequence 60, Appl
34	73	12.2	156	9	US-10-245-143-60	Sequence 60, Appl
35	73	12.2	156	9	US-10-245-851-60	Sequence 60, Appl
36	73	12.2	156	9	US-10-245-883-60	Sequence 60, Appl
37	73	12.2	156	9	US-10-237-535-60	Sequence 60, Appl
38	73	12.2	156	9	US-10-238-183-60	Sequence 60, Appl
39	73	12.2	156	9	US-10-238-283-60	Sequence 60, Appl
40	73	12.2	156	9	US-10-238-370-60	Sequence 60, Appl
41	73	12.2	156	9	US-10-245-055-60	Sequence 60, Appl
42	73	12.2	156	9	US-10-245-147-60	Sequence 60, Appl
43	73	12.2	156	9	US-10-245-730-60	Sequence 60, Appl
44	73	12.2	156	9	US-10-245-739-60	Sequence 60, Appl
45	73	12.2	156	9	US-10-246-210-60	Sequence 60, Appl

ALIGNMENTS

RESULT 1

US-09-948-391A-19

Sequence 19, Application US/09948391A

Publication No. US20030027311A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: The United States of America

APPLICANT: as represented by The Secretary of the

APPLICANT: Department of Health and Human Services

TITLE OF INVENTION: Recombinant Anti-Tumor RNase

FILE REFERENCE: 015280-343110US

CURRENT APPLICATION NUMBER: US/09/948, 391A

CURRENT FILING DATE: 2002-05-10

PRIOR APPLICATION NUMBER: US 60/079, 751

PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: WO PCT/US99/06641

PRIOR FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: US 09/622, 613

PRIOR FILING DATE: 2000-08-17

NUMBER OF SEQ ID NOS: 43

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 19

LENGTH: 110

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Rana

OTHER INFORMATION: catesbeiana ribonuclease with Met22Leu and

OTHER INFORMATION: Met57Leu substitutions (recombinant RacORI

OTHER INFORMATION: Met22Leu Met57Leu)

US-09-948-391A-19

Query Match

Best Local Similarity 100.0%: Score 599; DB 9; Length 110;

Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ONNATFOOKHIKPIICNTLLDNNIYVGGCKRVNFTTSSATYVAICTGYINLVL 60

DB 1 ONNATFOOKHIKPIICNTLLDNNIYVGGCKRVNFTTSSATYVAICTGYINLVL 60

OY 61 STRFOLNCTRTSTTPPCPYSSRTETNYICVCENQYVHFAGIGRCP 110

Db 61 STRFOLNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFGIGRCP 110

RESULT 2

US-09-948-391A-21
: Sequence 21, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: APPLICANT: Department of Health and Human Services
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: CURRENT FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: Patentln Ver. 2.0
: SEQ ID NO 21
: LENGTH: 111
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana
: OTHER INFORMATION: catesbelana ribonuclease with Met at position 1,
: OTHER INFORMATION: Met231leu and Met581leu substitutions (recombinant
: OTHER INFORMATION: Met(-1) RacOR1 Met221leu Met571leu)
US-09-948-391A-21

Query Match 99.2%; Score 594; DB 9; Length 111;
Best Local Similarity 99.1%; Pred. No. 1.6e-58;
Matches 109; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 QNMATFOQKHIIKPIICNTILDNNIYVGGCKRVNFTISSATYKATCTGVINLNL 60
Db 2 QNMATFOQKHIIKPIICNTILDNNIYVGGCKRVNFTISSATYKATCTGVINLNL 61
OY 61 STRFOLNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFGIGRCP 110
Db 62 STRFOLNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFGIGRCP 111

RESULT 3

US-09-948-391A-22
: Sequence 22, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: APPLICANT: Department of Health and Human Services
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: CURRENT FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: Patentln Ver. 2.0
: SEQ ID NO 22

LENGTH: 117
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbelana ribonuclease with (His)6 tag, Met at
OTHER INFORMATION: position 7, Met231leu and Met581leu substitutions
OTHER INFORMATION: (recombinant Met(-1) RacOR1 Met221leu Met571leu-(His)6)
US-09-948-391A-22

Query Match 99.2%; Score 594; DB 9; Length 117;
Best Local Similarity 99.1%; Pred. No. 1.7e-58;
Matches 109; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 QNMATFOQKHIIKPIICNTILDNNIYVGGCKRVNFTISSATYKATCTGVINLNL 60
Db 8 QNMATFOQKHIIKPIICNTILDNNIYVGGCKRVNFTISSATYKATCTGVINLNL 67

OY 61 STRFOLNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFGIGRCP 110
Db 68 STRFOLNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFGIGRCP 117

RESULT 4

US-09-948-391A-15
: Sequence 15, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: APPLICANT: Department of Health and Human Services
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: CURRENT FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: Patentln Ver. 2.0
: SEQ ID NO 15
: LENGTH: 110
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana
: OTHER INFORMATION: catesbelana oocyte ribonuclease (RacOR1) synthetic
: OTHER INFORMATION: gene modified to use E. coli preferred codons
US-09-948-391A-15

Query Match 98.5%; Score 590; DB 9; Length 110;
Best Local Similarity 97.3%; Pred. No. 4.4e-58;
Matches 107; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 QNMATFOQKHIIKPIICNTILDNNIYVGGCKRVNFTISSATYKATCTGVINLNL 60
Db 1 QNMATFOQKHIIKPIICNTILDNNIYVGGCKRVNFTISSATYKATCTGVINLNL 60

OY 61 STRFOLNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFGIGRCP 110
Db 61 STRFOLNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFGIGRCP 110

RESULT 5

US-09-948-391A-24
: Sequence 24, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 110
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with glnzser substitution
OTHER INFORMATION: (recombinant RacOR1 Q1S)
US-09-948-391A-24

Query Match Best Local Similarity 97.7%: Score 585; DB 9; Length 110;
Matches 106; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 NNATFOOKHIKTPICNTILDNNIYVGGCKRVNFTFISSATTVKATCTGVINLVLS 61
DB 2 NNATFOOKHIKTPICNTILDNNIYVGGCKRVNFTFISSATTVKATCTGVINLVLS 61
62 TTRFOALNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFAGIGRCP 110
62 TTRFOALNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFAGIGRCP 110

RESULT 6
US-09-948-391A-26
Sequence 26, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 26
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with Met at position 1
OTHER INFORMATION: and Glnzser substitution (Met(-1) RacOR1 Q1S)
US-09-948-391A-26

Query Match 97.7%: Score 585; DB 9; Length 111;

Best Local Similarity 97.2%: Pred. No. 1.6e-57;
Matches 106; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 NNATFOOKHIKTPICNTILDNNIYVGGCKRVNFTFISSATTVKATCTGVINLVLS 61
DB 3 NNATFOOKHIKTPICNTILDNNIYVGGCKRVNFTFISSATTVKATCTGVINLVLS 62
QY 62 TTRFOALNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFAGIGRCP 110
DB 63 TTRFOALNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFAGIGRCP 111

RESULT 7
US-09-948-391A-17
Sequence 17, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 17
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with Met at position 1
OTHER INFORMATION: (recombinant Met(-1) RacOR1)
US-09-948-391A-17

Query Match Best Local Similarity 97.5%: Score 584; DB 9; Length 111;
Matches 106; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 QNNATFOOKHIKTPICNTILDNNIYVGGCKRVNFTFISSATTVKATCTGVINLVLS 60
DB 2 QNNATFOOKHIKTPICNTILDNNIYVGGCKRVNFTFISSATTVKATCTGVINLVLS 61
QY 61 TTRFOALNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFAGIGRCP 110
DB 62 TTRFOALNTCTRTSITPRPCPYSSRTETNYICVGCENQYPVHFAGIGRCP 111

RESULT 8
US-09-948-391A-6
Sequence 6, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant
US-09-948-391A-6

Query Match 45.3%; Score 271.5; DB 9; Length 105;
Best Local Similarity 47.7%; Pred. No. 8,4e-23;
Matches 53; Conservative 16; Mismatches 33; Indels 9; Gaps 4;

OY 1 ONMATFOOKHIKT-PIICNTILDNNIYVGGCKRVNFTIISATYKAICTGYI-NLN 58
DB 2 QDWLTFQKKHLNTRDVCNNIMSTNLF---HCKDKNTFTYSRREPVKAIKGIASKN 57
OY 59 VLISTRFOLNCTRTSITPRCPYSSRTETNYICVCKENQYVPHFAGIGRC 109
DB 58 VLTISEFYLSDC---NVTSRPCKYKLRKSTNFTFCVTCEAOPVHFVGVC 105

RESULT 9
US-09-948-391A-28
Sequence 28, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
FILE OF INVENTION: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 127
TYPE: PRT
ORGANISM: Rana pipiens
FEATURE:
OTHER INFORMATION: Rana pipiens ribonuclease (RaplR1) Clone 5a1b cDNA
US-09-948-391A-28

Query Match 45.3%; Score 271.5; DB 9; Length 127;
Best Local Similarity 47.7%; Pred. No. 1e-22;
Matches 53; Conservative 16; Mismatches 33; Indels 9; Gaps 4;

OY 1 ONMATFOOKHIKT-PIICNTILDNNIYVGGCKRVNFTIISATYKAICTGYI-NLN 58
DB 24 QDWLTFQKKHLNTRDVCNNIMSTNLF---HCKDKNTFTYSRREPVKAIKGIASKN 79
OY 59 VLISTRFOLNCTRTSITPRCPYSSRTETNYICVCKENQYVPHFAGIGRC 109
DB 80 VLTISEFYLSDC---NVTSRPCKYKLRKSTNFTFCVTCEAOPVHFVGVC 127

RESULT 10
US-09-948-391A-2
Sequence 2, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
FILE OF INVENTION: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens
FEATURE:
OTHER INFORMATION: ribonuclease (RaplR1)
US-09-948-391A-2

Query Match 45.2%; Score 270.5; DB 9; Length 104;
Best Local Similarity 47.7%; Pred. No. 1.1e-22;
Matches 53; Conservative 16; Mismatches 33; Indels 9; Gaps 4;

OY 1 ONMATFOOKHIKT-PIICNTILDNNIYVGGCKRVNFTIISATYKAICTGYI-NLN 58
DB 1 QDWLTFQKKHLNTRDVCNNIMSTNLF---HCKDKNTFTYSRREPVKAIKGIASKN 56
OY 59 VLISTRFOLNCTRTSITPRCPYSSRTETNYICVCKENQYVPHFAGIGRC 109
DB 57 VLTISEFYLSDC---NVTSRPCKYKLRKSTNFTFCVTCEAOPVHFVGVC 104

RESULT 11
US-09-948-391A-4
Sequence 4, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
FILE OF INVENTION: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 104
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Met231eu substitution
OTHER INFORMATION: (recombinant RapLR1 Met231eu)

US-09-948-391A-4

Query Match 45.2%; Score 270.5; DB 9; Length 104;
Best Local Similarity 48.6%; Pred. No. 1.1e-22;
Matches 54; Conservative 14; Mismatches 34; Indels 9; Gaps 4;

QY 1 NMATFOOKHIIKT-PIICNTILDNNIYVGGCKRVNFTFISSATYKAICTGYI-NLN 58
DB 1 QDMLEFQKHILNTNRDVCNNIMSTNLF---HCKDKNTFIYSRPEPVKAICKGIASKN 56
QY 59 VLSSTRFOLNCTRTSITPRCPYSSRTETNYICVKENQYVHFAGIGRC 109
DB 57 LTTSEFYLSDC---NVTSRPCKYKLRKSTNFTFCVTCENQAPVHFVGVGHC 104

RESULT 12

US-10-153-882-2
Sequence 2, Application US/1015382
Publication No. US20030099629A1
GENERAL INFORMATION:
APPLICANT: GOLDENBERG, David M.
APPLICANT: HANSEN, Hans
APPLICANT: LEUNG, Shui-on
TITLE OF INVENTION: RECOMBINANT ONCONASE, AND CHEMICAL CONJUGATES, AND
FILE REFERENCE: 018733/0913
CURRENT APPLICATION NUMBER: US/10/153,882
PRIOR FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: US/09/265,901
PRIOR FILING DATE: 1999-03-11
PRIOR APPLICATION NUMBER: US 60/077,557
PRIOR FILING DATE: 1998-03-11
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 105
TYPE: PRT
ORGANISM: Rane pipiens
US-10-153-882-2

Query Match 44.7%; Score 267.5; DB 9; Length 105;
Best Local Similarity 47.7%; Pred. No. 2.3e-22;
Matches 53; Conservative 16; Mismatches 33; Indels 9; Gaps 4;
QY 1 NMATFOOKHIIKT-PIICNTILDNNIYVGGCKRVNFTFISSATYKAICTGYI-NLN 58
DB 2 QDMLEFQKHILNTNRDVCNNIMSTNLF---HCKDKNTFIYSRPEPVKAICKGIASKN 57
QY 59 VLSSTRFOLNCTRTSITPRCPYSSRTETNYICVKENQYVHFAGIGRC 109
DB 58 LTTSEFYLSDC---NVTSRPCKYKLRKSTNFTFCVTCENQAPVHFVGVGSC 105

RESULT 13

US-09-948-391A-11
Sequence 11, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor Rhase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17

NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 11
LENGTH: 104
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Glu1ser substitution
OTHER INFORMATION: (recombinant RapL1 Q1S)
US-09-948-391A-11

Query Match 44.5%; Score 266.5; DB 9; Length 104;
Best Local Similarity 47.3%; Pred. No. 3e-22;
Matches 52; Conservative 16; Mismatches 33; Indels 9; Gaps 4;

QY 2 NMATFOOKHIIKT-PIICNTILDNNIYVGGCKRVNFTFISSATYKAICTGYI-NLN 59
DB 2 DMLTFQKHILNTNRDVCNNIMSTNLF---HCKDKNTFIYSRPEPVKAICKGIASKN 57
QY 60 LSTRFOLNCTRTSITPRCPYSSRTETNYICVKENQYVHFAGIGRC 109
DB 58 LTTSEFYLSDC---NVTSRPCKYKLRKSTNFTFCVTCENQAPVHFVGVGHC 104

RESULT 14

US-09-948-391A-13
Sequence 13, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor Rhase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 13
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Met at position 1 and Glu1ser
OTHER INFORMATION: substitution (recombinant Met(-1) RapL1 Q1S)
US-09-948-391A-13

Query Match 44.5%; Score 266.5; DB 9; Length 105;
Best Local Similarity 47.3%; Pred. No. 3e-22;
Matches 52; Conservative 16; Mismatches 33; Indels 9; Gaps 4;

QY 2 NMATFOOKHIIKT-PIICNTILDNNIYVGGCKRVNFTFISSATYKAICTGYI-NLN 59
DB 3 DMLTFQKHILNTNRDVCNNIMSTNLF---HCKDKNTFIYSRPEPVKAICKGIASKN 58
QY 60 LSTRFOLNCTRTSITPRCPYSSRTETNYICVKENQYVHFAGIGRC 109
DB 59 LTTSEFYLSDC---NVTSRPCKYKLRKSTNFTFCVTCENQAPVHFVGVGHC 105

RESULT 15

US-09-986-119-1
Sequence 1, Application US/09986119

```

Publication No. US20020187153A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
            Newton, Dianne L.
            Goldenberg, David M.
TITLE OF INVENTION: Immunotoxins Directed Against Malignant Cells
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESS: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/986,119
FILING DATE: 07-NO. US20020187153A1-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/071,672
FILING DATE: 01-MAY-1998
APPLICATION NUMBER: US 60/046,895
FILING DATE: 02-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-32510US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: /product= "OTHER"
/note= "Xaa = Glu or pyroglutamic acid"
FEATURE:
NAME/KEY: Protein
LOCATION: 1..104
OTHER INFORMATION: /note= "RNase A derived from Rana pipiens, "onc protein""
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-986-119-1
Query Match          43.8%; Score 262.5; DB 9; Length 104;
Best Local Similarity 47.3%; Pred. No. 8.3e-22;
Matches 52; Conservative 16; Mismatches 33; Indels 9; Gaps 4;
OY      2   NMATFOOKHIKT--PIICNTLIDNNIIVGQCKRKVNTFISSATTVKICTGYI-NLVN 59
       :| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DBD     2   DWLTFFORKHINTDVDCDDINISITLF---HCKDKRNFIVSRPEPVKAICKGIATSKNV 57
OY      60   LSTRPCLNCTRTSITPRCPYSRSPTFTNYICVKCEQGVYHFAGTIRC 109
       ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      58   LTISEFLSDC---NVTSRPCRYKLKSTNKFCVTCENQADVHFVGVSVC 104

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Search completed: June 25, 2003, 15:42:18
Job time : 19.4806 secs
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